

LESSON 11: Models of the Atom

38. What are the major features and scientists associated with:

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| a. Solid Sphere Model | b. Plum Pudding Model | c. Nuclear Model |
| d. Solar System Model | e. Proton Model | f. Electron Cloud Model |

39. Sketch and label the simple atomic model that is used today.

LESSON 12: Atomic Number and Atomic Mass

40. What is the definition of atomic number? Where is it located on the periodic table?

of protons; whole number listed for the element

41. Name the element:

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| a. atomic number 40 <u>Zirconium</u> | b. contains 12 protons <u>magnesium</u> |
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